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**Date:** April 20, 2005

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<b>To:</b>	<b>Company:</b>	<b>Facsimile No:</b>	<b>Telephone No:</b>
Examiner: Thomas Noland	USPTO Art Unit: 2856	703-872-9306	
<b>From:</b>	Jeffrey J. Miller	<i>Direct Phone:</i>	617.535.4421
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<i>Sent By:</i>		<i>Direct Phone:</i>	
<i>Client/Matter/Tkpr:</i>	056231-0430-5664	<i>Original to Follow by Mail:</i>	No
		<i>Number of Pages, Including Cover:</i>	10
<b>Re:</b>	Application No. 10/603,946		

**Message:**

In re Patent Application of:	Zarkar et al.	Art Unit:	2856
Application Number(s):	10/603,946	Examiner:	Thomas Noland
Filing Date:	June 25, 2003	Confirm. No.:	3126
Title:	<b>SYSTEM AND METHOD FOR IN-SITU FLOW VERIFICATION AND CALIBRATION</b>		
Docket Number:	56231-430 (MKS-132)		

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U.S. practice conducted through McDermott Will & Emery LLP.  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Zarkar et al. Art Unit: 2856  
Application Number(s): 10/603,946 Examiner: Thomas Noland  
Filing Date: June 25, 2003 Confirm. No.: 3126  
Title: **SYSTEM AND METHOD FOR IN-SITU FLOW  
VERIFICATION AND CALIBRATION**  
Docket Number: 56231-430 (MKS-132)

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being facsimile transmitted to Technology Center 2800 of the U.S. Patent and Trademark Office (Fax No. 703-872-9306) on April 20, 2005.

  
Jeff Miller

Via Facsimile 703-872-9306  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Applicant encloses herewith for filing in connection with the above-referenced patent application the following documents:

1. AMENDMENT "A" for filing in response to Office Action of January 27, 2005, and the Notice of Non-Compliant Amendment dated April 13, 2005.

The fee has been calculated as shown below:

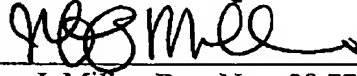
	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	20	20	0	\$100.00 =	\$0.00
Independent Claims	2	3	0	\$200.00 =	\$0.00
Multiple claims newly presented					\$0.00
Total of Above Calculations					\$0.00

BST99 1452544-1.056231.0430

The Commissioner is hereby authorized to charge the payment of the fees associated with this communication or credit any overpayment, to Deposit Account No. 50-1133, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Date: April 20, 2005

Respectfully submitted,



Jeffrey J. Miller, Reg. No.: 39,773  
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Zarkar et al. Art Unit: 2856  
Application Number(s): 10/603,946 Examiner: Thomas Noland  
Filing Date: June 25, 2003 Confirm. No.: 3126  
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Jeff Miller

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Via Facsimile 703-872-9306  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT A

Sir:

In response to the Office Action mailed January 27, 2005, and the Notice of Non-Compliant Amendment dated April 13, 2005 please amend the above-identified application as follows:

**Amendments to the Specification** are provided on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.

BST99 1452499-1.056231.0430